

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P520696

Luminaire Tested: **8WSLA-150-L950-UNV-U**

Issue Date: 5/3/2021



Test Information

Test Method: LM-79-08
Report Number: P520696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2002-689-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 8WSLA-150-L950-UNV-U
Description: 8 FOOT, 3000 LUMEN PER FOOT, WSLA LED LUMINAIRE WITH 5000K, 90 CRI
LEDS WITH NO UPLIGHT
Light Source: -
Ballast/Driver: -

Summary

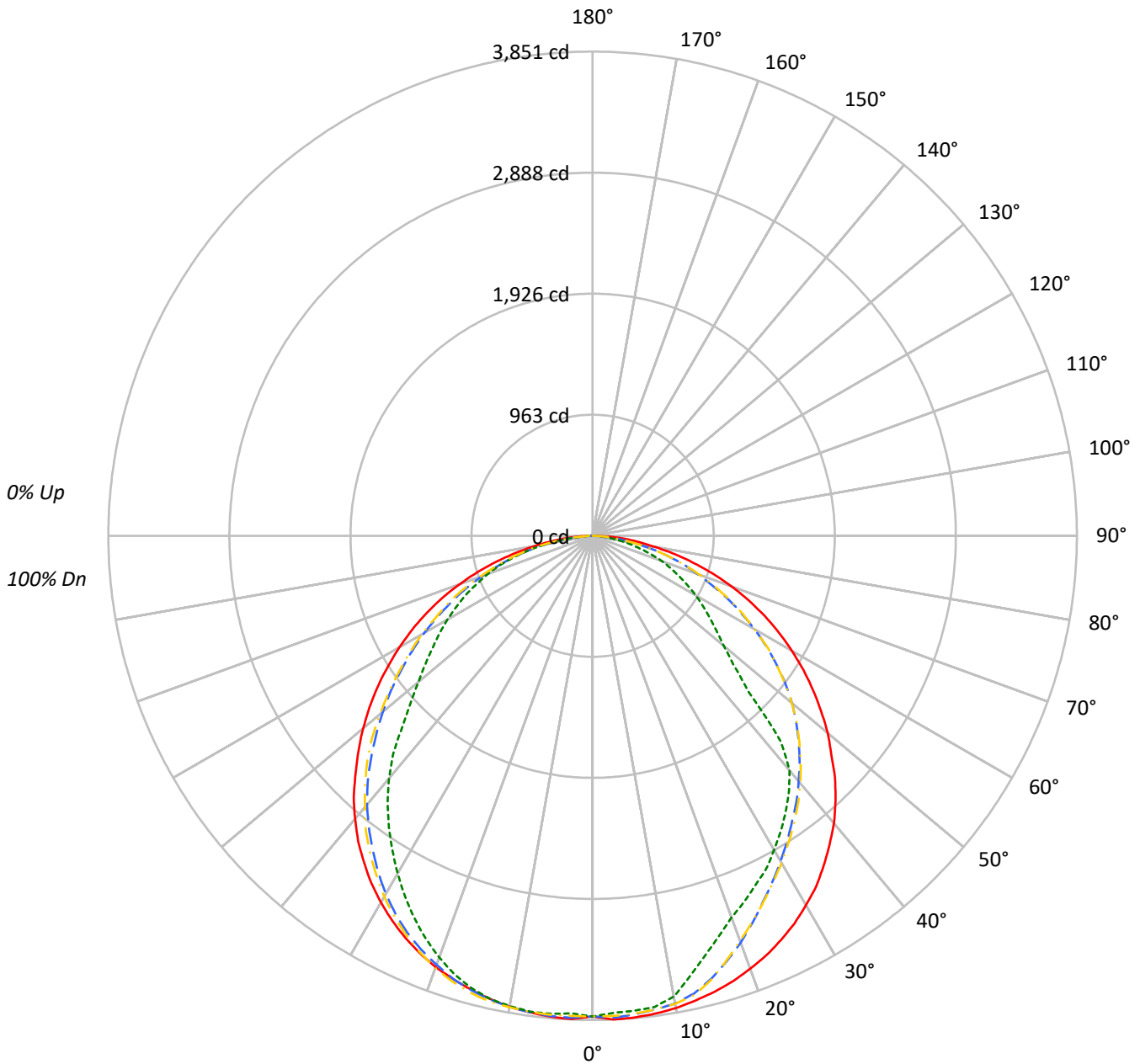
Lumens per Lamp: N/A
Luminaire Lumens: 10255.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.17 / 1.33
Luminous Opening: Rectangular (W 0.5' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 93.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84																			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70																			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60																			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51																			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10287	10287	10287	10287
5°	10387	10243	10370	10310
10°	10423	10165	10395	10378
15°	10456	9627	10410	10376
20°	10495	9250	10454	10219
25°	10528	9097	10473	9962
30°	10540	8966	10463	9635
35°	10523	8792	10416	9277
40°	10489	8559	10323	8847
45°	10372	6650	10138	8117
50°	10217	5692	9968	7572
55°	10035	5331	9775	7284
60°	9845	5088	9548	7163
65°	9611	4819	9284	7077
70°	9230	4582	8842	6971
75°	8593	4030	8188	6631
80°	7627	3369	7150	5625
85°	7219	2405	6333	3230



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.2	3.5
10°-20°	1036.0	10.1
20°-30°	1548.0	15.1
30°-40°	1842.7	18.0
40°-50°	1841.9	18.0
50°-60°	1584.9	15.5
60°-70°	1192.9	11.6
70°-80°	679.8	6.6
80°-90°	165.5	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2947.3	28.7
0°-40°	4790.0	46.7
0°-60°	8216.9	80.1
0°-90°	10255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10255.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3823	3823	3823	3823	3823	
5°	3845	3792	3839	3817	3845	366
15°	3753	3456	3737	3724	3753	1060
25°	3546	3064	3527	3355	3546	1635
35°	3203	2676	3171	2824	3203	2004
45°	2726	1747	2664	2133	2726	2099
55°	2139	1136	2084	1552	2139	1912
65°	1509	757	1458	1112	1509	1491
75°	826	388	788	638	826	875
85°	234	78	205	105	234	254
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3822.7	3822.7	3822.7	3822.7	3822.7	3822.7	3822.7	3822.7	3822.7	3822.7	3822.7
2.5°	3851.4	3816.6	3837.1	3830.9	3798.1	3810.4	3822.7	3810.4	3847.3	3814.5	3837.1
5°	3845.3	3808.4	3820.7	3808.4	3792.0	3796.1	3814.5	3802.2	3839.1	3804.3	3833.0
7.5°	3833.0	3787.9	3800.2	3794.0	3779.7	3781.7	3800.2	3789.9	3822.7	3789.9	3822.7
10°	3814.5	3767.4	3777.6	3750.9	3720.2	3742.7	3779.7	3769.4	3804.3	3767.4	3804.3
12.5°	3785.8	3738.6	3728.4	3640.2	3584.8	3627.9	3740.7	3740.7	3773.5	3738.6	3777.6
15°	3753.0	3701.7	3646.4	3513.1	3455.6	3498.7	3654.6	3707.9	3736.6	3701.7	3740.7
17.5°	3714.0	3654.6	3547.9	3392.1	3338.7	3381.8	3541.8	3658.7	3695.6	3658.7	3693.5
20°	3664.8	3595.1	3443.3	3264.9	3230.0	3269.0	3429.0	3599.2	3650.5	3605.3	3629.9
22.5°	3611.5	3527.4	3326.4	3166.5	3150.1	3174.7	3320.3	3525.4	3593.0	3545.9	3562.3
25°	3545.9	3447.4	3209.5	3076.2	3063.9	3078.3	3213.6	3439.2	3527.4	3478.2	3484.3
27.5°	3476.1	3369.5	3098.8	3000.3	2988.0	2994.2	3107.0	3342.8	3451.5	3402.3	3392.1
30°	3392.1	3277.2	2988.0	2897.8	2885.5	2908.1	3004.4	3244.4	3367.4	3318.2	3287.5
32.5°	3308.0	3176.7	2879.3	2809.6	2785.0	2805.5	2897.8	3141.9	3275.2	3223.9	3172.6
35°	3203.4	3070.1	2766.6	2696.8	2676.3	2698.9	2791.2	3035.2	3170.6	3119.3	3049.6
37.5°	3094.7	2957.3	2664.0	2600.4	2563.5	2590.2	2682.5	2924.5	3061.9	3008.6	2922.4
40°	2986.0	2838.3	2549.2	2483.5	2436.4	2475.3	2569.7	2807.6	2938.8	2889.6	2791.2
42.5°	2858.8	2719.4	2436.4	2344.1	2210.8	2335.9	2448.7	2690.7	2811.7	2764.5	2645.6
45°	2725.5	2592.2	2317.4	2093.9	1747.3	2114.4	2325.6	2567.6	2664.0	2618.9	2489.7
47.5°	2573.8	2461.0	2196.4	1856.0	1519.7	1876.5	2200.5	2450.7	2524.6	2475.3	2331.8
50°	2440.5	2329.7	2069.3	1655.0	1359.7	1677.6	2067.2	2319.5	2381.0	2335.9	2175.9
52.5°	2288.7	2192.3	1931.9	1476.6	1240.7	1499.1	1927.8	2184.1	2233.3	2180.0	2020.1
55°	2139.0	2052.9	1786.3	1318.7	1136.2	1339.2	1782.2	2044.7	2083.6	2022.1	1856.0
57.5°	1987.2	1909.3	1636.6	1177.2	1039.8	1199.7	1646.8	1901.1	1927.8	1849.8	1698.1
60°	1829.3	1763.7	1484.8	1052.1	945.4	1070.5	1480.7	1757.6	1774.0	1689.9	1544.3
62.5°	1671.4	1611.9	1333.0	937.2	849.0	949.5	1343.3	1605.8	1616.0	1536.1	1386.4
65°	1509.4	1454.0	1185.4	816.2	756.8	836.7	1195.6	1447.9	1458.1	1367.9	1232.5
67.5°	1341.2	1296.1	1027.5	723.9	668.6	730.1	1048.0	1287.9	1294.1	1205.9	1082.8
70°	1173.1	1134.1	888.0	623.4	582.4	625.5	902.4	1111.5	1123.8	1029.5	931.1
72.5°	1000.8	970.0	752.7	518.9	481.9	518.9	760.9	949.5	957.7	879.8	783.4
75°	826.5	803.9	615.2	416.3	387.6	414.3	619.3	787.5	787.5	713.7	637.8
77.5°	658.3	641.9	471.7	319.9	299.4	315.8	473.7	623.4	619.3	561.9	502.5
80°	492.2	479.9	338.4	231.7	217.4	225.6	338.4	461.4	461.4	420.4	348.6
82.5°	352.7	338.4	223.5	151.8	143.6	147.7	219.4	322.0	328.1	297.4	235.8
85°	233.8	201.0	121.0	84.1	77.9	80.0	114.8	186.6	205.1	172.3	123.0
87.5°	102.5	67.7	30.8	12.3	6.2	8.2	24.6	59.5	77.9	51.3	16.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3822.7	3822.7	3822.7	3822.7	3822.7	3822.7
2.5°	3835.0	3802.2	3814.5	3822.7	3814.5	3851.4
5°	3830.9	3816.6	3814.5	3824.8	3808.4	3845.3
7.5°	3824.8	3816.6	3814.5	3818.6	3798.1	3833.0
10°	3810.4	3798.1	3802.2	3808.4	3781.7	3814.5
12.5°	3783.8	3771.5	3773.5	3794.0	3757.1	3785.8
15°	3738.6	3724.3	3738.6	3761.2	3728.4	3753.0
17.5°	3679.2	3656.6	3681.2	3716.1	3691.5	3714.0
20°	3603.3	3568.4	3595.1	3658.7	3636.1	3664.8
22.5°	3511.0	3467.9	3494.6	3586.9	3580.7	3611.5
25°	3406.4	3355.1	3392.1	3504.8	3517.2	3545.9
27.5°	3289.5	3232.1	3281.3	3414.6	3443.3	3476.1
30°	3162.4	3100.8	3158.3	3314.1	3357.2	3392.1
32.5°	3031.1	2963.4	3029.1	3201.3	3262.9	3308.0
35°	2893.7	2824.0	2897.8	3084.4	3158.3	3203.4
37.5°	2746.0	2678.4	2758.4	2961.4	3049.6	3094.7
40°	2594.3	2518.4	2608.6	2815.8	2932.7	2986.0
42.5°	2438.4	2344.1	2454.8	2678.4	2805.5	2858.8
45°	2264.1	2132.9	2282.6	2532.8	2666.1	2725.5
47.5°	2089.8	1958.5	2110.3	2376.9	2520.5	2573.8
50°	1921.6	1808.8	1929.8	2206.7	2372.8	2440.5
52.5°	1767.8	1675.5	1778.1	2040.6	2221.0	2288.7
55°	1624.2	1552.5	1636.6	1876.5	2061.1	2139.0
57.5°	1488.9	1443.8	1501.2	1720.6	1913.4	1987.2
60°	1361.7	1331.0	1372.0	1566.8	1739.1	1829.3
62.5°	1236.6	1220.2	1251.0	1404.8	1577.1	1671.4
65°	1115.6	1111.5	1128.0	1263.3	1406.9	1509.4
67.5°	994.6	992.6	1002.9	1113.6	1240.7	1341.2
70°	873.6	886.0	879.8	951.6	1074.6	1173.1
72.5°	750.6	769.1	758.8	803.9	922.9	1000.8
75°	613.2	637.8	617.3	668.6	742.4	826.5
77.5°	471.7	498.3	473.7	518.9	598.8	658.3
80°	338.4	363.0	342.5	377.4	447.1	492.2
82.5°	213.3	231.7	215.3	250.2	319.9	352.7
85°	94.3	104.6	108.7	135.4	196.9	233.8
87.5°	4.1	2.1	4.1	26.7	69.7	102.5
90°	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°









(END OF REPORT)